

OCD-ARTESIA

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0187  
Expires March 31, 2011

RECEIVED  
JUL 16 2010  
OCD-ARTESIA

5. Lease Serial No.  
NM02862 - NM0030452

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
Poker Lake Unit #308H

9. API Well No.  
30-015-37728

10. Field and Pool, or Exploratory Area  
Quahada Ridge SE (Delaware)

11. County or Parish, State  
Eddy Co., NM

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
BOPCO, L. P.

3a. Address  
P. O. Box 2760 Midland, TX 79702

3b. Phone No. (include area code)  
432-683-2277

4. Location of Well (Footage, Sec., T, R, M, or Survey Description)

Surface: NESE, 1800' FSL, 330' FEL, Sec 26, T24S, R30S, Lat N32.186669, Lon W103.843586  
BHL: NWSW, 1980' FSL, 330' FWL, Sec 23, T24S, R30E, Lat N32.201456, Long W103.858733

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

BOPCO requests approval to change cement procedure. We will be removing the DV tool from the 7", 26#, N-80, LT&C, and do a single stage job, bringing the cement 200' into the 9 5/8", 40#, J-55, LT&C. We will be using the Schlumberger approved first stage cement slurry, which consist of, 450 sx of Lead, LiteCRETE, 10.20 lb/gal, 2.13 ft3/sx, with D065 0.3% BWOB, D046 0.2% BWOB, D042 3.0 lb/sx, & D177 0.07 gal/sx, & 100 sx of Tail, TXI, 13.00 lb/gal, 1.41 ft3/sx, with D112 0.2% BWOC, D065 0.2% BWOC, D800 0.4% BWOC, D042 3.0 lb/sx, & D046 0.2% BWOC.

See attached copy of Field Blends.

BOPCO L.P. Bond # on file: COB000050

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Annette Childers

Title Regulatory Clerk

Signature

Annette Childers

Date

6-21-2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

[Signature]

Title

Office

Date

JUL 14 2010

/s/ Dustin Winkler

Title 18 USC Section 1001 and Title 43 USC Section 1212, make it a crime for any person knowingly and willfully to make any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE



## Bopco - Poker Lake 308H Intermediate Field Blend 1st Stage Lead

Fluid No : 2010 10C352005	Client : Bopco	Location / Rig : Eddy, NM	Signatures
Date : Jun-16-2010	Well Name : Poker Lake 308H	Field :	E. Garrison

Job Type	Intermediate	Depth	8800.0 ft	TVD	8800.0 ft
BHST	150 degF	BHCT	134 degF	BHP	4700 psi
Starting Temp.	80 degF	Time to Temp.	00:44 hr:mn	Heating Rate	1.03 degF/min
Starting Pressure	590 psi	Time to Pressure	00:44 hr:mn	Schedule	9.6-1

### Composition

Slurry Density	10.20 lb/gal	Yield	2.13 ft <sup>3</sup> /sk	Mix Fluid	7.125 gal/sk
Solid Vol. Fraction	55.4 %	Porosity	44.6 %	Slurry type	LiteCRETE
Code	Concentration	Sack Reference	Component	Blend Density	Lot Number
Expert_10-2l		100 lb of BLEND	Blend	87.78 lb/ft <sup>3</sup>	
Fresh water	7.055 gal/sk		Base Fluid		
D065	0.300 %BWOB		Dispersant		
D046	0.200 %BWOB		Antifoam		
D042	3.000 lb/sk		LCM/extender		
D177	0.070 gal/sk		Retarder		

### Rheology (Average readings)

(rpm)	(deg)	(deg)
300	102.0	77.0
200	77.5	62.5
100	52.0	41.5
60	41.0	34.5
30	32.5	27.0
6	20.0	17.0
3	17.0	11.5
10 sec Gel	17	10
10 min Gel	20	16
1 min Stirring		
Temperature	80 degF	134 degF
	Pv : 76.893 cP	Pv : 55.903 cP
	Ty : 25.67 lbf/100ft <sup>2</sup>	Ty : 22.82 lbf/100ft <sup>2</sup>

### Thickening Time

Consistency	Time
30 Bc	02:07 hr:mn
50 Bc	04:26 hr:mn
70 Bc	05:20 hr:mn

### Free Fluid

0.0 mL/250mL	in 2 hrs
At 134 degF and 0 deg incl.	
Sedimentation	None

### Fluid Loss

API Fluid Loss	120 mL
60 mL in 30 min at 134 degF and 1000 psi	



## Bopco - Poker Lake 308H Intermediate Field Blend 1st Stage Tail

<b>Fluid No</b> : 2010 10C352006	<b>Client</b> : Bopco	<b>Location / Rig</b> : Eddy, NM	<b>Signatures</b>
<b>Date</b> : Jun-16-2010	<b>Well Name</b> : Poker Lake 308H	<b>Field</b> :	E. Garrison

<b>Job Type</b>	<b>Intermediate</b>	<b>Depth</b>	<b>8800.0 ft</b>	<b>TVD</b>	<b>8800.0 ft</b>
<b>BHST</b>	<b>150 degF</b>	<b>BHCT</b>	<b>134 degF</b>	<b>BHP</b>	<b>4700 psi</b>
<b>Starting Temp.</b>	<b>80 degF</b>	<b>Time to Temp.</b>	<b>00:44 hr:mn</b>	<b>Heating Rate</b>	<b>1.03 degF/min</b>
<b>Starting Pressure</b>	<b>590 psi</b>	<b>Time to Pressure</b>	<b>00:44 hr:mn</b>	<b>Schedule</b>	<b>9.6-1</b>

### Composition

<b>Slurry Density</b>	<b>13.00 lb/gal</b>	<b>Yield</b>	<b>1.41 ft<sup>3</sup>/sk</b>	<b>Mix Fluid</b>	<b>7.023 gal/sk</b>
<b>Solid Vol. Fraction</b>	<b>33.4 %</b>	<b>Porosity</b>	<b>66.6 %</b>	<b>Slurry type</b>	<b>Conventional</b>

Code	Concentration	Sack Reference	Component	Blend Density	Lot Number
PVL		75 lb of BLEND	Blend	176.05 lb/ft <sup>3</sup>	
Fresh water	7.023 gal/sk		Base Fluid		
D112	0.200 %BWOC		Fluid loss		
D065	0.200 %BWOC		Dispersant		
D800	0.400 %BWOC		Retarder		
D042	3.000 lb/sk		LCM/extender		
D046	0.200 %BWOC		Antifoam		

### Rheology (Average readings)

(rpm)	(deg)	(deg)
300	73.0	61.0
200	46.0	42.0
100	32.0	35.0
60	24.0	24.0
30	15.0	18.0
6	11.0	15.0
3	6.0	11.0
10 sec Gel	6	11
10 min Gel	22	16
<b>Temperature</b>	<b>80 degF</b>	<b>134 degF</b>
	Pv: 62.279 cP Ty: 9.63 lbf/100ft <sup>2</sup>	Pv: 47.711 cP Ty: 14.13 lbf/100ft <sup>2</sup>

### Thickening Time

Consistency	Time
70 Bc	04:46 hr:mn

### Free Fluid

0.0 mL/250mL	in 2 hrs
At 134 degF and 0 deg incl.	
Sedimentation	None

### UCA Compressive Strength

Time	CS
04.21 hr:mn	50 psi
07.24 hr:mn	500 psi
12:00 hr:mn	1485 psi

### Fluid Loss

API Fluid Loss	142 mL
71 mL in 30 min at 134 degF	and 1000 psi